

## Product datasheet for **MR207279**

### **Krt15 (NM\_008469) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Krt15 (NM_008469) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Krt15
Synonyms:	A1528832; K15; Krt1-15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR207279 representing NM\_008469  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCCACCACATCTTTGCAAACGCTCTCCACTTTTGGAGGCAGCTCTACCCGAGGGCTTCCCTCCGTG  
 CTGGGGGAGGCAGCTTTGGTGGAGGGAGTCTCTATGGGGGAGGTGGAAGCCGAAGTATCTCTGCTTCTC  
 TGCTAGGTTTGTCTCCTCGGGGGCAGGAGGGGGCTTTGGGGTGGCATGAGTTGTGGCTTTGGTGGTGGT  
 TTTGGTGGAGGCTTTGGTGGGGTTTTGGCGGTGGCTTCGGTGATTTTGGTGGTGGCGATGGAGGTCTCC  
 TCTCTGGCAATGAGAAGGTGACCATGCAGAACCTTAATGACCGCTGGCCTCCTACCTGGACAAGGTGCC  
 TGCCCTAGAGCAGGCCAACACTGAGCTGGAGGTGAAGATCCGAGATTGGTACCAGAAGCAGAGCCCAGCC  
 AGTCCAGATCGGGACTACAGCCATTACTTTAAGACCATGGAAGAGATCCGGGACAAAATTCTGGCTGCCA  
 CCATTGACAACCTCGCGCTTGTCTGGAGATTGACAATGCCAGGCTGGCGGGCAGCAGCTTCAAGGCTCAA  
 GTATGAGAATGAGCTGACCTGCGTCAGGGCGTGGAGGCCGACATCAACGGGCTGCGCCGGGTGCTGGAT  
 GAGCTGACCTGGCCAGGACCGACTGGAGATGCAGATTGAGCAGCTGAACGAGGAGCTGGCTTACCTGA  
 AGAAGAACCATGAGGAGGAGATGAAGGAATTCAGCAGTCAACTGGCTGGCCAGGTCAATGTGAAATGGA  
 CGCAGCACCCGGGGTGGACCTGACCCGCATGCTGGCAGAGATGAGGGAGCAGTATGAAGCTATTGCAGAG  
 AAAAACCGTGGGATGTAGAGGCTGGTCTTTCAGTAAGACTGAAGAGCTGAACAAGGAGGTGGCGTCTA  
 ACACAGAAATGATCCAGACCAGCAAGACGGAGATCACAGACCTGAGACGGACCCTGCAGGGGCTAGAGAT  
 TGAGTTGCAGTCTCAGCTCAGCATGAAAGCCGGGCTGGAGAACTCTTGGCAGAGGTGGAGTGCCGCTAT  
 GCCACACAGCTGCAGCAGATCCAGGGGGTCAATTACCGTCTGGAGACTCAGCTGAGTGGCTCCGCTGTG  
 AGATGGAGGCTCAGAACCAGGAGTACAACATGCTGCTGGACATCAAGACTCGGCTGGAACAGGAGTCCG  
 CACTTACCGGAACCTGCTCGAGGGCCAGGATGCTAAGATGGCTGGTATTGGTGTGACAGAGAAGTATCCCTG  
 GGAGGAAGCAGCGGTGGCGGTGGCAGCAGTAGCAGCAGCAGCAATTTCCATATCAGTGTGGAGGAATCAG  
 TGGATGGAAGTGGTTTCTTCCCGTAAGAGAGAAATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR207279 representing NM\_008469  
 Red=Cloning site Green=Tags(s)

MATTFLLQTSSTFGGSSTRGASLRAGGGSFSGGSLYGGGSRISASSARFVSSGAGGGFSGGMSCGFGGG  
 FGGGFGGFGGFGDFGGDGLLSGNEKVTMQNLNDRLASYLKVRALQANTELEVKIRDWYQKQSPA  
 SPDRDYSHYFKTMEIIRDKILAATIDNSRVVLEIDNARLAADDFRLKYENELTLRQGV EADINGLRRVLD  
 ELTLARTDLEMQIEQLNEELAYLKNHEEEMKEFSSQLAGQVNVEMDAAPGVDLTRMLAEMREQYEAIAE  
 KNRRDVEAWFFSKTEELNKEVASNTEMIQTSKTEITDLRRTLQGLEIELQSQLSMKAGLENSLAIEVECRY  
 ATQLQQIQGVITGLETQLSELRCEMEAQNQEYNMLLDIKTRLEQEIATYRNLLLEGQDAKMAGIGVREVSL  
 GSSGGGSSSSSNFHISVEESVDGKVVSSRKREI

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9089\\_a10.zip](https://cdn.origene.com/chromatograms/mm9089_a10.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_008469

**ORF Size:** 1368 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
  2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
  3. Close the tube and incubate for 10 minutes at room temperature.
  4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
  5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_008469.2](#), [NP\\_032495.2](#)

**RefSeq Size:** 1720 bp

**RefSeq ORF:** 1371 bp

**Locus ID:** 16665

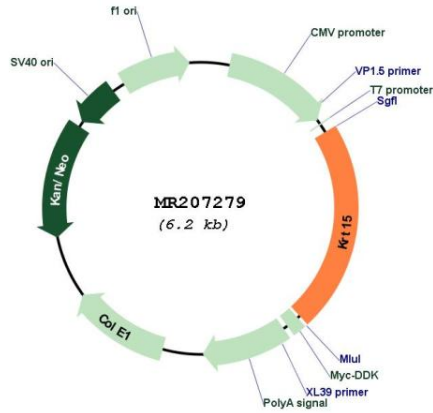
**UniProt ID:** [Q61414](#)

**Cytogenetics:** 11 63.41 cM

**MW:** 49.5 kDa

**Gene Summary:** In the absence of KRT14, makes a bona fide, but ultrastructurally distinct keratin filament network with KRT5.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR207279